



Keraquick XL Fibrelite

Fibre reinforced high yield cement based rapid setting adhesive for interior and exterior use when installing porcelain, ceramic and natural stone materials

CLASSIFICATION IN COMPLIANCE WITH EN 12004

Keraquick XL Fibrelite is an improved formula (2), Fast setting (F), Cementitious (C), Deformable (S1) adhesive classified as C2F S1 available in Grey and White.

WHERE TO USE

Interior and exterior bonding of ceramic and porcelain tiles and mosaics and natural stone materials that are not sensitive to moisture. Ideal for large format tiling.

Some application examples

- Fixing tiles up to 1500 x 1500 mm in size.
- Installation on to suitably prepared timber substrates such as 15mm overlaid plywood floors.
- Suitable for use in large commercial environments.
- Suitable for internal and external use.
- Installing marble and natural stone materials.
- Suitable for installation over wet and electrical underfloor heating systems.
- Suitable for installation of tile on prepared calcium sulphate screeds (anhydrite).

TECHNICAL CHARACTERISTICS

Keraquick XL Fibrelite is a powder composed of a mixture of special cements, selectively graded aggregates, synthetic resins, fibres and setting accelerators that develop a high bond strength only 90 minutes after setting. For this reason floor installations can be completed very quickly. Floors can be walked on after only 90 minutes and are ready for general foot traffic after 12 hours. When hardened **Keraquick XL Fibrelite** is frost and water resistant.

RECOMMENDATIONS

- Anhydrite screeds must be abraded, vacuumed and primed with Mapei **Eco Prim T** diluted 1:2 with water, or **Primer G**.
- Plywood overlaid floors must use a minimum 15 mm exterior grade plywood and be fixed at minimum 300 mm centres in all directions to provide a rigid substrate. Prime with **Eco Prim Grip**.
- Not suitable for areas subject to flexing or vibration.
- Not suitable for bonding to metal substrates.

APPLICATION PROCEDURE

Preparing the substrate

Substrates must be dry, flat, mechanically strong, sound, free from loose areas, grease, oil, paint,

TECHNICAL DATA (typical values)	
Conformity with:	- EN 12004 - C2F S1
PRODUCT IDENTITY	
Type:	powder
Colour:	grey or white
Density:	1.2-1.35
Viscosity:	350-450
Mix ratio:	- grey 36-38 - white 36-38
Consistency:	semi fluid
Pot life:	40 minutes
Application range:	+5°C to +30°C
Open time:	15-20 minutes
Light foot traffic:	90 minutes
Ready for use:	12 hours
Tensile:	
- initial 28 days:	> 2.00
- after heat ageing:	> 2
- after water immersion:	> 1
- after freeze thaw:	> 1

wax, old flooring adhesive and bitumen residues and any other contamination (e.g. plaster droppings), which may affect the adhesion. Damp substrates may lengthen the adhesive setting time. Cementitious substrates must be cured and any shrinkage process must be at an end before tiles are installed. Concrete must be at least 6 weeks old, cement based screeds for at least 3 weeks unless they have been produced using the special MAPEI binders **Mapecem** or **Topcem** or with a preblended screed mix such as **Mapecem Pronto** or **Topcem Pronto**. The substrate surface should ideally be open textured. Powerfloated concrete should be mechanically abraded (scabbled or shot-blasted) to open up the surface and to remove any curing agents. Heated screeds must be commissioned in accordance with recognised technical regulations and the guidelines given in BS 5385 parts 4 and 5. The commissioning process must be carried out before the installation of tiles or stone finishes. Calcium sulphate screeds must be dry to a moisture content of 0.5% w/w when measured using the carbide method.

All surface laitance must be removed by mechanical abrasion and all dust thoroughly removed by vacuum. Prime the surface with **Eco Prim T** (diluted 1:2 with water) or alternatively **Primer G**. Tilebacker boards must be installed to provide a firm, stable substrate with no protruding fixings.

In areas subject to extreme damp (showers etc) Mapei **Mapegum WPS**, **Mapelastic Aquadefense** or **Mapeguard WP 200** should be used to waterproof the substrate.

Preparing the mix

Keraquick XL Fibrelite must be mechanically mixed in a clean vessel with clean water until a smooth lump free paste is obtained. Allow the product to stand for 2-3 minutes before re-mixing. The product must be used within 40 minutes.

Keraquick XL Fibrelite 15 kg should be mixed with 5.1-5.4 litres of clean water.

Applying the mix

Keraquick XL Fibrelite is applied to the

substrate with a notched trowel to a max 15 mm in thickness.

Adhesive coverage will be determined by the notch size chosen and should be 100% as far as possible for floors, exterior and wet areas. For tiles exceeding 300x300 mm **Keraquick XL Fibrelite** should also be applied to the backs of the tiles (back-buttering).

For very absorbent surfaces or during hot weather the substrate should be dampened to extend the open time of the adhesive.

Laying the tiles

It is not necessary to wet the tiles before fixing, however if the backs of the tiles appear dusty they should be wiped over with a wet sponge.

Keraquick XL Fibrelite has an open time of 15-20 minutes in normal temperature and humidity; unfavourable weather conditions (strong sun, drying wind, high temperature), or a highly absorbent substrate will shorten this open time, sometimes to just a few minutes. Should the adhesive form a skin it should be removed and fresh adhesive applied. Tiling fixed with **Keraquick XL Fibrelite** must not be subjected to washout or rain for at least 60 minutes and protected from strong sun and frost for at least 12 hours.

Grouting

Tile joints can be grouted after 2-3 hours with MAPEI **Keracolor SF**, **Keracolor Flex** or **Ultracolor Plus**.

If the joints require better chemical resistance or where hygiene is of importance use MAPEI **Kerapoxy CQ** or **Kerapoxy Design**.

Expansion joints should be filled with MAPEI **Mapesil AC**, **Mapesil LM**.

Cleaning

Tools and hands can be cleaned with water, tiled surfaces should be cleaned with a damp cloth; water should only be used in moderate quantities and after a few hours.

CONSUMPTION

6-8 m² depending on bed depth.

PACKAGING

Keraquick XL Fibrelite is supplied in 15 kg paper bags.

STORAGE

Keraquick XL Fibrelite should be stored in a dry place, where it will have a maximum shelf life of 12 months in original unopened packaging.

The product complies with the conditions

of Annex XVII to Regulation (EC) N° 1907/2006 (REACH), item 47.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Keraquick XL Fibrelite contains cement that when in contact with sweat or other body fluids causes irritant alkaline reactions and allergic reactions to those predisposed. It can cause damage to eyes. During use wear protective gloves, goggles and take the usual precautions for handling chemicals. If the product comes into contact with the eyes or skin, wash immediately with plenty of water and seek medical attention. For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

N.B.

Whilst we try to ensure that any advice, recommendations or information given in our literature is accurate and correct, we have no control over the circumstances in which our product is used. It is therefore important that the end users satisfy themselves that the product and conditions are suitable for the envisaged application. No warranty can be given or responsibility accepted other than, that the product supplied by us will meet our written specification.

End users should ensure that our latest product data and safety information sheets have been consulted prior to use.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.co.uk

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.

The most up-to-date TDS can be downloaded from our website www.mapei.co.uk.

ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.

All relevant references for the product are available upon request and from www.mapei.co.uk



**Keraquick
XL Fibrelite**



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